	RDT&E BUDGET ITEM J	DATE	February 2002							
					PE NUMBER AND TITLE 0604604F Submunitions					PROJECT 3166
	COST (\$ in Thousands)	FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
3166	Joint Smart Munitions Test and Evaluation	4,441	4,761	4,739	4,822	4,911	5,595	5,789	Continuing	TBD
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0

(U) A. Mission Description

This PE provides support for smart munitions and related technologies test and evaluation (T&E) activities, including T&E support for programs in engineering and manufacturing development. Project 3166 is a joint US Air Force/US Army project which provides RDT&E support for developmental smart munitions acquisition programs. Project 3166 (project Chicken Little) evaluates developmental smart munitions and related emerging technology with applications against vehicle targets and Theater Air Defense units by determining performance against actual foreign targets in realistic environments and in the presence of countermeasures. Data gathered is used to meet developmental decision points requiring highly reliable, realistic performance data. The project is a major focal point for joint Air Force and Army target signature collection and dissemination for development and exploitation purposes. The program proves best value test and evaluation support for submunition development and weaponization studies and modeling and simulation capabilities to augment a limited number of measurement and open air tests of smart weapons and related technologies.

(U) FY 2001 (\$ in Thousands)

(U)	\$984	Continue weapon effectiveness evaluation and weaponization studies
(U)	\$686	Develop, validate, and accredit improved models and simulation for assessment of alternatives and force on force studies
(U)	\$243	Increase utility of lethality/vulnerability and signature database through addition of modern threat systems and secure datalink
(U)	\$1,111	Plan and conduct captive carry flight tests and signature collection for seeker/sensor evaluations and algorithm development
(U)	\$681	Characterize performance of advanced and programmable warheads to access potential for increasing lethality of weapons
(U)	\$736	Perform vulnerability analysis of upgraded/advanced Suppression of Enemy Air Defense (SEAD) and Advanced Hardened Targets (Al

(U) \$4,441 Total

Project 3166 Page 1 of 5 Pages Exhibit R-2 (PE 0604604F)

	RDT&	E BUDGET ITEM JUSTIFICATION	ON SHEET (R-2 Exhib	it)	_{DATE} Febru	ary 2002		
	SET ACTIVITY - Engineering an	d Manufacturing Development	PE NUMBER AND TITLE 0604604F Submuni	tions		PROJECT 3166		
(U)	A. Mission Descript	ion Continued						
(U) (U)	FY 2002 (\$ in Thous. \$1,100	ands) Continue weapon effectiveness evaluation and w	eaponization studies					
(U)	\$743	Develop, validate, and accredit improved models						
(U)	\$253 \$1,180	Increase utility of lethality/vulnerability and sign Plan and conduct captive carry flight tests and si		•				
(U) (U)	\$704	Characterize performance of advanced and progr	-	_	-			
(U)	\$781	Perform vulnerability analysis of upgraded/advar	<u> </u>	_	•	argets (AHT)		
(U)	\$4,761	Total	11 7	,				
(U)	FY 2003 (\$ in Thous	ands)						
(U)	\$1,070	Continue weapon effectiveness evaluation and w	veaponization studies					
(U)	\$739	Develop, validate, and accredit improved models	s and simulation for assessment of a	lternatives and force	on force studies			
(U)	\$255	Increase utility of lethality/vulnerability and sign	9	•				
(U)	\$1,184	Plan and conduct captive carry flight tests and si						
(U)	\$698	Characterize performance of advanced and progr	<u> </u>	_	•			
(U)	\$793	Perform vulnerability analysis of upgraded/advar	nced Suppression of Enemy Air Det	fense (SEAD) and A	dvanced Hardened Ta	argets (AHT)		
(U)	\$4,739	Total						
(U)	B. Budget Activity J							
	This program is fund	ed in BA 5 - Engineering and Manufacturing Deve	elopment because this program supp	orts development pr	ograms prior to produ	ction decision.		
(U)	C. Program Change	e Summary (\$ in Thousands)						
			FY 2001	FY 2002	FY 2003	Total Cost		
(U)	Previous President's	Budget	4,732	4,809	4,751	TBD		
(U)	Appropriated Value		4,775	4,809				
(U)	Adjustments to Appr		22	40				
	a. Congressional/Ger		-33	-48				
b. Small Business Innovative Research c. Omnibus or Other Above Threshold Reprogram								
	d. Below Threshold I	ž ž	-126					
_	Evhikit D.O	(DE 00040045)						
۲	roject 3166		Page 2 of 5 Pages		Exhibit R-2	(PE 0604604F)		

	RDT&E BUDGET ITEM JUSTIFICATION	February 2002						
	Engineering and Manufacturing Development	PE NUMBER A 0604604F		ınitions				PROJECT 3166
(U)	C. Program Change Summary (\$ in Thousands) Continued		FY 2001	FY 200	<u>2 FY</u>	2003		Total Cost
(U) (U)	e. Rescissions Adjustments to Budget Years Since FY 2002 PBR Current Budget Submit/FY 2003 PBR		-10 4,441	4,761		-12 4,739		TBD
(U)	Significant Program Changes: No significant change.							
(U)	D. Other Program Funding Summary (\$ in Thousands) FY 2001 FY 2002 FY 2003 Actual Estimate Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	<u>Cost</u> Compl		Total Cost
(U)	Not Applicable.	Littinate	Littilate	<u>Estimate</u>	Litimate	Сопр	<u>ictc</u>	
(U)	E. Acquisition Strategy Funds are executed organically in support of test and evaluation activities inc small contracts supporting the program office.	luding studies,	analyses, fli	ght tests, model	building and s	simulation.	There are	several
(U)	F. Schedule Profile	FY 2001		FY [/]	2002		FY 200	13
	1	$\frac{1112001}{2}$	4	1 2	3 4	1		3 4
(U)	Ongoing Activity * Project 3166, Joint Smart Munition Test and Evaluation Program (Project Ch Chicken Little is a continuing test effort (target/warhead evaluation/analysis, through the FYDP). This project is also funded by the Army and other Servic duration and level of effort is decided at the semi-annual Steering Committee	signature tests, ces on a case by	captive car	ry flight tests, are	e ongoing thro	ughout the	tion milesto	ontinue
Р	roject 3166 Page	e 3 of 5 Pages				Exhibit l	R-2 (PE 0	604604F)

	RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)									February 2002		
						ER AND TITLE D 4F Subm i	unitions	•		PROJECT 3166		
(U)	A. Project Cost Breakdown	(\$ in Thousand	<u>ls</u>)									
							<u>FY :</u>		FY 20		FY 2003	
(U)	Program Support							500		00	525	
(U)	Target Support							625	7		683	
(U)	Warhead Range Operations							329		40	334	
(U)	Captive Flight Tests							986	1,0		1,058	
(U)	Database Support (MILES)							213		23	224	
(U)	Vulnerability/Effectiveness	Analysis						651	70	01	704	
(U)	Warhead Evaluation							277	28	39	285	
(U)	Target Signature Tests							249	20	58	266	
(U)	Models and Simulation Tools							611	668		660	
(U)	Total				4,441		4,7	61	4,739			
(U)	B. Budget Acquisition Histo	ry and Plannin	g Informatio	n (\$ in Thousand	<u>ls</u>)							
(U)	Performing Organizations:											
	Contractor or	Contract										
	Government	Method/Type	Award or	Performing	Project							
	Performing	or Funding	Obligation	Activity	<u>Office</u>	Total Prior	Budget	Budget	Budget	Budget to	<u>Total</u>	
	Activity	Vehicle	Date	EAC	EAC	to FY 2001	FY 2001	FY 2002	FY 2003	Complete	Progran	
	Product Development Organiz	zations								-		
	None											
	Support and Management Org	ganizations										
	Sverdrup	C/CPIF	Jun 96	N/A	N/A	10,408	1,534	1,524	1,524	Continuing	TBD	
	Macaulay Brown/ANSTEC	C/FFP	Apr 96	N/A	N/A	1,428	270	282	300	Continuing	TBD	
	46 OG/OGML	N/A	Annual	N/A	N/A	6,138	230	218	225	Continuing	TBD	
	Test and Evaluation Organiza	tions										
	46 OG/OGML		Annual	N/A	N/A	69,510	2,407	2,737	2,690	Continuing	TBD	
Р	roject 3166			Pag	e 4 of 5 Pag	ges			Exhil	oit R-3 (PE 0	604604F)	

	RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)									DATE February 2002		
	GET ACTIVITY - Engineering and Ma		PE NUMBER AND TITLE 0604604F Submunitions					ROJECT 6 166				
(U)	′ 											
		Contract	A1									
	Itam	Method/Type or Funding	Award or Obligation	Daliman	-	Total Prior	Budget	Budget	Budget	Budget to	<u>Total</u>	
	Item Description	Vehicle	<u>Date</u>	<u>Delivery</u> <u>Date</u>	_	o FY 2001	FY 2001	FY 2002	FY 2003	Complete	<u>rotar</u> <u>Program</u>	
	Product Development Proper		Date	Date	<u>u</u>	<u> </u>	<u>1 1 2001</u>	<u>I I 2002</u>	<u>11 2003</u>	Complete	riogiani	
	Not Applicable	N/A	N/A	N/A		0	0	0	0	0	0	
	Support and Management Pr		14/11	14/11		O	O .	O	O	O .	V	
	Not Applicable	N/A	N/A	N/A		0	0	0	0	0	0	
	Test and Evaluation Property			- ,,			_	_			·	
	Not Applicable	N/A	N/A	N/A		0	0	0	0	0	0	
	• •				-	Total Prior	Budget	Budget	Budget	Budget to	<u>Total</u>	
	Subtotals				<u>tc</u>	o FY 2001	FY 2001	FY 2002	FY 2003	Complete	Program	
	Subtotal Product Developme	ent				0	0	0	0	0	0	
	Subtotal Support and Manag	ement				17,974	2,034	2,024	2,049	TBD	TBD	
	Subtotal Test and Evaluation	1				69,510	2,407	2,737	2,690	TBD	TBD	
	Total Project					87,484	4,441	4,761	4,739	TBD	TBD	
F	Project 3166				Page 5 of 5 Pages				Exhibi	t R-3 (PE 060	04604F)	